

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000174

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01S 13/93, G05D 1/02, G08G 1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01S, G05D, G08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5999865 A (BLOOMQUIST ET AL), 7 December 1999 (07.12.1999), column 6, line 19 - line 29	6-10
A	---	1-5
Y	US 6393362 B1 (RAY L. BURNS), 21 May 2002 (21.05.2002), column 2, line 43 - column 3, line 26; column 7, line 1 - column 8, line 30, figure 8	6-10
A	---	1-5
A	US 6055042 A (JAGANNATHAN SARANGAPANI), 25 April 2000 (25.04.2000), abstract	1-10

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
20 July 2004

Date of mailing of the international search report
22-07-2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5572428 A (SHINNOSUKE ISHIDA ET AL), 5 November 1996 (05.11.1996), abstract -- -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/FI 2004/000174

US	5999865	A	07/12/1999	CA	2260374	C	08/08/2000
US	6393362	B1	21/05/2002	US	6442456	B	27/08/2002
				US	2001021888	A	13/09/2001
US	6055042	A	25/04/2000	AU	9609398	A	08/07/1999
				DE	19858129	A	17/06/1999
				JP	11258339	A	24/09/1999
US	5572428	A	05/11/1996	JP	2799375	B	17/09/1998
				JP	7104062	A	21/04/1995